

Release notes for ENDF/B Development n-014\_Si\_030  
evaluation

**ENDF**  
**B-VII**.dev

April 26, 2017

- checkr Warnings:

1. A previous error halted parsing of the current section  
*MAT=1431, MF= 1, MT=451 (1): Parsing stopped*

```
ERROR(S) FOUND IN MAT=1431, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      387 TO      522
```

- checkr Errors:

1. A variable is outside the allowed ENDF range  
*MAT=1431, MF= 1, MT=451 (0): Variable range*

```
ERROR(S) FOUND IN MAT=1431, MF= 1, MT=451
MOD =      2 OUT OF RANGE      0 -      0      RECORD NUMBER      387
```

2. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 2, MT=151 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=1431, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY      RECORD NUMBER      524
```

3. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT= 1 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=1431, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY      RECORD NUMBER      562
```

4. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT= 2 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=1431, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY      RECORD NUMBER      1318
```

5. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT= 3 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=1431, MF= 3, MT= 3
SECTION 3/ 3 NOT IN DIRECTORY      RECORD NUMBER      2074
```

6. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT= 4 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=1431, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY      RECORD NUMBER      2152
```

7. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT= 5 (0): Directory (b)*

ERROR(S) FOUND IN MAT=1431, MF= 3, MT= 5  
SECTION 3/ 5 NOT IN DIRECTORY RECORD NUMBER 2167

8. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT= 16 (0): Directory (b)*

ERROR(S) FOUND IN MAT=1431, MF= 3, MT= 16  
SECTION 3/ 16 NOT IN DIRECTORY RECORD NUMBER 2225

9. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT= 22 (0): Directory (b)*

ERROR(S) FOUND IN MAT=1431, MF= 3, MT= 22  
SECTION 3/ 22 NOT IN DIRECTORY RECORD NUMBER 2233

10. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT= 28 (0): Directory (b)*

ERROR(S) FOUND IN MAT=1431, MF= 3, MT= 28  
SECTION 3/ 28 NOT IN DIRECTORY RECORD NUMBER 2240

11. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT= 51 (0): Directory (b)*

ERROR(S) FOUND IN MAT=1431, MF= 3, MT= 51  
SECTION 3/ 51 NOT IN DIRECTORY RECORD NUMBER 2247

12. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT= 52 (0): Directory (b)*

ERROR(S) FOUND IN MAT=1431, MF= 3, MT= 52  
SECTION 3/ 52 NOT IN DIRECTORY RECORD NUMBER 2260

13. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT= 53 (0): Directory (b)*

ERROR(S) FOUND IN MAT=1431, MF= 3, MT= 53  
SECTION 3/ 53 NOT IN DIRECTORY RECORD NUMBER 2272

14. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT= 54 (0): Directory (b)*

ERROR(S) FOUND IN MAT=1431, MF= 3, MT= 54  
SECTION 3/ 54 NOT IN DIRECTORY RECORD NUMBER 2284

15. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT= 55 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=1431, MF= 3, MT= 55 | RECORD NUMBER | 2296 |
| SECTION 3/ 55 NOT IN DIRECTORY            |               |      |
16. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT= 56 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=1431, MF= 3, MT= 56 | RECORD NUMBER | 2307 |
| SECTION 3/ 56 NOT IN DIRECTORY            |               |      |
17. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT= 91 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=1431, MF= 3, MT= 91 | RECORD NUMBER | 2318 |
| SECTION 3/ 91 NOT IN DIRECTORY            |               |      |
18. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT=102 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=1431, MF= 3, MT=102 | RECORD NUMBER | 2329 |
| SECTION 3/102 NOT IN DIRECTORY            |               |      |
19. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT=103 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=1431, MF= 3, MT=103 | RECORD NUMBER | 2341 |
| SECTION 3/103 NOT IN DIRECTORY            |               |      |
20. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT=107 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=1431, MF= 3, MT=107 | RECORD NUMBER | 2352 |
| SECTION 3/107 NOT IN DIRECTORY            |               |      |
21. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT=600 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=1431, MF= 3, MT=600 | RECORD NUMBER | 2367 |
| SECTION 3/600 NOT IN DIRECTORY            |               |      |
22. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT=601 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=1431, MF= 3, MT=601 | RECORD NUMBER | 2376 |
| SECTION 3/601 NOT IN DIRECTORY            |               |      |
23. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT=602 (0): Directory (b)*

- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=1431, MF= 3, MT=602 |                    |
|  | SECTION 3/602 NOT IN DIRECTORY            | RECORD NUMBER 2385 |
24. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT=603 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=1431, MF= 3, MT=603 |                    |
|  | SECTION 3/603 NOT IN DIRECTORY            | RECORD NUMBER 2393 |
25. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT=604 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=1431, MF= 3, MT=604 |                    |
|  | SECTION 3/604 NOT IN DIRECTORY            | RECORD NUMBER 2401 |
26. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT=605 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=1431, MF= 3, MT=605 |                    |
|  | SECTION 3/605 NOT IN DIRECTORY            | RECORD NUMBER 2409 |
27. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT=649 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=1431, MF= 3, MT=649 |                    |
|  | SECTION 3/649 NOT IN DIRECTORY            | RECORD NUMBER 2417 |
28. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT=800 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=1431, MF= 3, MT=800 |                    |
|  | SECTION 3/800 NOT IN DIRECTORY            | RECORD NUMBER 2425 |
29. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT=801 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=1431, MF= 3, MT=801 |                    |
|  | SECTION 3/801 NOT IN DIRECTORY            | RECORD NUMBER 2436 |
30. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT=802 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=1431, MF= 3, MT=802 |                    |
|  | SECTION 3/802 NOT IN DIRECTORY            | RECORD NUMBER 2446 |
31. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT=803 (0): Directory (b)*

- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=1431, MF= 3, MT=803 |                    |
| SECTION 3/803 NOT IN DIRECTORY            | RECORD NUMBER 2456 |
32. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT=804 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=1431, MF= 3, MT=804 |                    |
| SECTION 3/804 NOT IN DIRECTORY            | RECORD NUMBER 2465 |
33. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT=805 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=1431, MF= 3, MT=805 |                    |
| SECTION 3/805 NOT IN DIRECTORY            | RECORD NUMBER 2474 |
34. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT=806 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=1431, MF= 3, MT=806 |                    |
| SECTION 3/806 NOT IN DIRECTORY            | RECORD NUMBER 2482 |
35. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT=807 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=1431, MF= 3, MT=807 |                    |
| SECTION 3/807 NOT IN DIRECTORY            | RECORD NUMBER 2490 |
36. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT=808 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=1431, MF= 3, MT=808 |                    |
| SECTION 3/808 NOT IN DIRECTORY            | RECORD NUMBER 2498 |
37. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT=809 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=1431, MF= 3, MT=809 |                    |
| SECTION 3/809 NOT IN DIRECTORY            | RECORD NUMBER 2506 |
38. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT=810 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=1431, MF= 3, MT=810 |                    |
| SECTION 3/810 NOT IN DIRECTORY            | RECORD NUMBER 2514 |
39. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT=811 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=1431, MF= 3, MT=811 | RECORD NUMBER | 2522 |
| SECTION 3/811 NOT IN DIRECTORY            |               |      |
40. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 3, MT=849 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=1431, MF= 3, MT=849 | RECORD NUMBER | 2530 |
| SECTION 3/849 NOT IN DIRECTORY            |               |      |
41. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 4, MT= 2 (0): Directory (b)*
- |  |               |      |
|--|---------------|------|
| ERROR(S) FOUND IN MAT=1431, MF= 4, MT= 2 | RECORD NUMBER | 2538 |
| SECTION 4/ 2 NOT IN DIRECTORY            |               |      |
42. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 6, MT= 5 (0): Directory (b)*
- |  |               |      |
|--|---------------|------|
| ERROR(S) FOUND IN MAT=1431, MF= 6, MT= 5 | RECORD NUMBER | 4064 |
| SECTION 6/ 5 NOT IN DIRECTORY            |               |      |
43. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 6, MT= 16 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=1431, MF= 6, MT= 16 | RECORD NUMBER | 15801 |
| SECTION 6/ 16 NOT IN DIRECTORY            |               |       |
44. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 6, MT= 22 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=1431, MF= 6, MT= 22 | RECORD NUMBER | 16018 |
| SECTION 6/ 22 NOT IN DIRECTORY            |               |       |
45. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 6, MT= 28 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=1431, MF= 6, MT= 28 | RECORD NUMBER | 16231 |
| SECTION 6/ 28 NOT IN DIRECTORY            |               |       |
46. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 6, MT= 51 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=1431, MF= 6, MT= 51 | RECORD NUMBER | 16398 |
| SECTION 6/ 51 NOT IN DIRECTORY            |               |       |
47. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 6, MT= 52 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=1431, MF= 6, MT= 52  
SECTION 6/ 52 NOT IN DIRECTORY RECORD NUMBER 16468
48. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 6, MT= 53 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF= 6, MT= 53  
SECTION 6/ 53 NOT IN DIRECTORY RECORD NUMBER 16529
49. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 6, MT= 54 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF= 6, MT= 54  
SECTION 6/ 54 NOT IN DIRECTORY RECORD NUMBER 16593
50. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 6, MT= 55 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF= 6, MT= 55  
SECTION 6/ 55 NOT IN DIRECTORY RECORD NUMBER 16660
51. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 6, MT= 56 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF= 6, MT= 56  
SECTION 6/ 56 NOT IN DIRECTORY RECORD NUMBER 16716
52. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 6, MT= 91 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF= 6, MT= 91  
SECTION 6/ 91 NOT IN DIRECTORY RECORD NUMBER 16773
53. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 6, MT=600 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF= 6, MT=600  
SECTION 6/600 NOT IN DIRECTORY RECORD NUMBER 17699
54. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 6, MT=601 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF= 6, MT=601  
SECTION 6/601 NOT IN DIRECTORY RECORD NUMBER 17739
55. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 6, MT=602 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=1431, MF= 6, MT=602  
SECTION 6/602 NOT IN DIRECTORY RECORD NUMBER 17776
56. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 6, MT=603 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF= 6, MT=603  
SECTION 6/603 NOT IN DIRECTORY RECORD NUMBER 17812
57. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 6, MT=604 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF= 6, MT=604  
SECTION 6/604 NOT IN DIRECTORY RECORD NUMBER 17849
58. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 6, MT=605 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF= 6, MT=605  
SECTION 6/605 NOT IN DIRECTORY RECORD NUMBER 17883
59. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 6, MT=649 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF= 6, MT=649  
SECTION 6/649 NOT IN DIRECTORY RECORD NUMBER 17915
60. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 6, MT=800 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF= 6, MT=800  
SECTION 6/800 NOT IN DIRECTORY RECORD NUMBER 18258
61. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 6, MT=801 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF= 6, MT=801  
SECTION 6/801 NOT IN DIRECTORY RECORD NUMBER 18321
62. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 6, MT=802 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF= 6, MT=802  
SECTION 6/802 NOT IN DIRECTORY RECORD NUMBER 18376
63. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 6, MT=803 (0): Directory (b)*

- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=1431, MF= 6, MT=803 | RECORD NUMBER | 18427 |
| SECTION 6/803 NOT IN DIRECTORY            |               |       |
64. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 6, MT=804 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=1431, MF= 6, MT=804 | RECORD NUMBER | 18475 |
| SECTION 6/804 NOT IN DIRECTORY            |               |       |
65. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 6, MT=805 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=1431, MF= 6, MT=805 | RECORD NUMBER | 18517 |
| SECTION 6/805 NOT IN DIRECTORY            |               |       |
66. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 6, MT=806 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=1431, MF= 6, MT=806 | RECORD NUMBER | 18557 |
| SECTION 6/806 NOT IN DIRECTORY            |               |       |
67. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 6, MT=807 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=1431, MF= 6, MT=807 | RECORD NUMBER | 18600 |
| SECTION 6/807 NOT IN DIRECTORY            |               |       |
68. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 6, MT=808 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=1431, MF= 6, MT=808 | RECORD NUMBER | 18641 |
| SECTION 6/808 NOT IN DIRECTORY            |               |       |
69. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 6, MT=809 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=1431, MF= 6, MT=809 | RECORD NUMBER | 18680 |
| SECTION 6/809 NOT IN DIRECTORY            |               |       |
70. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 6, MT=810 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=1431, MF= 6, MT=810 | RECORD NUMBER | 18716 |
| SECTION 6/810 NOT IN DIRECTORY            |               |       |
71. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 6, MT=811 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=1431, MF= 6, MT=811  
SECTION 6/811 NOT IN DIRECTORY RECORD NUMBER 18755
72. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF= 6, MT=849 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF= 6, MT=849  
SECTION 6/849 NOT IN DIRECTORY RECORD NUMBER 18792
73. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=12, MT= 51 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=12, MT= 51  
SECTION 12/ 51 NOT IN DIRECTORY RECORD NUMBER 19174
74. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=12, MT= 52 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=12, MT= 52  
SECTION 12/ 52 NOT IN DIRECTORY RECORD NUMBER 19178
75. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=12, MT= 53 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=12, MT= 53  
SECTION 12/ 53 NOT IN DIRECTORY RECORD NUMBER 19182
76. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=12, MT= 54 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=12, MT= 54  
SECTION 12/ 54 NOT IN DIRECTORY RECORD NUMBER 19186
77. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=12, MT= 55 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=12, MT= 55  
SECTION 12/ 55 NOT IN DIRECTORY RECORD NUMBER 19190
78. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=12, MT= 56 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=12, MT= 56  
SECTION 12/ 56 NOT IN DIRECTORY RECORD NUMBER 19195
79. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=12, MT=102 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=1431, MF=12, MT=102  
SECTION 12/102 NOT IN DIRECTORY RECORD NUMBER 19199
80. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=12, MT=601 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=12, MT=601  
SECTION 12/601 NOT IN DIRECTORY RECORD NUMBER 19303
81. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=12, MT=602 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=12, MT=602  
SECTION 12/602 NOT IN DIRECTORY RECORD NUMBER 19307
82. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=12, MT=603 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=12, MT=603  
SECTION 12/603 NOT IN DIRECTORY RECORD NUMBER 19311
83. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=12, MT=604 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=12, MT=604  
SECTION 12/604 NOT IN DIRECTORY RECORD NUMBER 19315
84. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=12, MT=605 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=12, MT=605  
SECTION 12/605 NOT IN DIRECTORY RECORD NUMBER 19319
85. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=12, MT=801 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=12, MT=801  
SECTION 12/801 NOT IN DIRECTORY RECORD NUMBER 19323
86. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=12, MT=802 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=12, MT=802  
SECTION 12/802 NOT IN DIRECTORY RECORD NUMBER 19327
87. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=12, MT=803 (0): Directory (b)*

- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=1431, MF=12, MT=803 | RECORD NUMBER | 19331 |
| SECTION 12/803 NOT IN DIRECTORY           |               |       |
88. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=12, MT=804 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=1431, MF=12, MT=804 | RECORD NUMBER | 19335 |
| SECTION 12/804 NOT IN DIRECTORY           |               |       |
89. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=12, MT=805 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=1431, MF=12, MT=805 | RECORD NUMBER | 19339 |
| SECTION 12/805 NOT IN DIRECTORY           |               |       |
90. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=12, MT=806 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=1431, MF=12, MT=806 | RECORD NUMBER | 19344 |
| SECTION 12/806 NOT IN DIRECTORY           |               |       |
91. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=12, MT=807 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=1431, MF=12, MT=807 | RECORD NUMBER | 19348 |
| SECTION 12/807 NOT IN DIRECTORY           |               |       |
92. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=12, MT=808 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=1431, MF=12, MT=808 | RECORD NUMBER | 19352 |
| SECTION 12/808 NOT IN DIRECTORY           |               |       |
93. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=12, MT=809 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=1431, MF=12, MT=809 | RECORD NUMBER | 19356 |
| SECTION 12/809 NOT IN DIRECTORY           |               |       |
94. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=12, MT=810 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=1431, MF=12, MT=810 | RECORD NUMBER | 19360 |
| SECTION 12/810 NOT IN DIRECTORY           |               |       |
95. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=12, MT=811 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=1431, MF=12, MT=811  
SECTION 12/811 NOT IN DIRECTORY RECORD NUMBER 19365
96. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=14, MT= 51 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=14, MT= 51  
SECTION 14/ 51 NOT IN DIRECTORY RECORD NUMBER 19371
97. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=14, MT= 52 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=14, MT= 52  
SECTION 14/ 52 NOT IN DIRECTORY RECORD NUMBER 19373
98. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=14, MT= 53 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=14, MT= 53  
SECTION 14/ 53 NOT IN DIRECTORY RECORD NUMBER 19375
99. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=14, MT= 54 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=14, MT= 54  
SECTION 14/ 54 NOT IN DIRECTORY RECORD NUMBER 19377
100. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=14, MT= 55 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=14, MT= 55  
SECTION 14/ 55 NOT IN DIRECTORY RECORD NUMBER 19379
101. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=14, MT= 56 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=14, MT= 56  
SECTION 14/ 56 NOT IN DIRECTORY RECORD NUMBER 19381
102. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=14, MT=102 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=14, MT=102  
SECTION 14/102 NOT IN DIRECTORY RECORD NUMBER 19383
103. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=14, MT=601 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=1431, MF=14, MT=601  
SECTION 14/601 NOT IN DIRECTORY RECORD NUMBER 19385
104. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=14, MT=602 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=14, MT=602  
SECTION 14/602 NOT IN DIRECTORY RECORD NUMBER 19387
105. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=14, MT=603 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=14, MT=603  
SECTION 14/603 NOT IN DIRECTORY RECORD NUMBER 19389
106. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=14, MT=604 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=14, MT=604  
SECTION 14/604 NOT IN DIRECTORY RECORD NUMBER 19391
107. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=14, MT=605 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=14, MT=605  
SECTION 14/605 NOT IN DIRECTORY RECORD NUMBER 19393
108. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=14, MT=801 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=14, MT=801  
SECTION 14/801 NOT IN DIRECTORY RECORD NUMBER 19395
109. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=14, MT=802 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=14, MT=802  
SECTION 14/802 NOT IN DIRECTORY RECORD NUMBER 19397
110. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=14, MT=803 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=14, MT=803  
SECTION 14/803 NOT IN DIRECTORY RECORD NUMBER 19399
111. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=14, MT=804 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=1431, MF=14, MT=804  
SECTION 14/804 NOT IN DIRECTORY RECORD NUMBER 19401
112. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=14, MT=805 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=14, MT=805  
SECTION 14/805 NOT IN DIRECTORY RECORD NUMBER 19403
113. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=14, MT=806 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=14, MT=806  
SECTION 14/806 NOT IN DIRECTORY RECORD NUMBER 19405
114. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=14, MT=807 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=14, MT=807  
SECTION 14/807 NOT IN DIRECTORY RECORD NUMBER 19407
115. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=14, MT=808 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=14, MT=808  
SECTION 14/808 NOT IN DIRECTORY RECORD NUMBER 19409
116. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=14, MT=809 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=14, MT=809  
SECTION 14/809 NOT IN DIRECTORY RECORD NUMBER 19411
117. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=14, MT=810 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=14, MT=810  
SECTION 14/810 NOT IN DIRECTORY RECORD NUMBER 19413
118. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=14, MT=811 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=14, MT=811  
SECTION 14/811 NOT IN DIRECTORY RECORD NUMBER 19415
119. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=33, MT= 1 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=1431, MF=33, MT= 1  
SECTION 33/ 1 NOT IN DIRECTORY RECORD NUMBER 19418
120. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=33, MT= 2 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=33, MT= 2  
SECTION 33/ 2 NOT IN DIRECTORY RECORD NUMBER 19437
121. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=33, MT= 3 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=33, MT= 3  
SECTION 33/ 3 NOT IN DIRECTORY RECORD NUMBER 19453
122. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=33, MT= 4 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=33, MT= 4  
SECTION 33/ 4 NOT IN DIRECTORY RECORD NUMBER 19470
123. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=33, MT= 16 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=33, MT= 16  
SECTION 33/ 16 NOT IN DIRECTORY RECORD NUMBER 19480
124. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=33, MT= 22 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=33, MT= 22  
SECTION 33/ 22 NOT IN DIRECTORY RECORD NUMBER 19493
125. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=33, MT= 28 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=33, MT= 28  
SECTION 33/ 28 NOT IN DIRECTORY RECORD NUMBER 19508
126. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=33, MT= 51 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=33, MT= 51  
SECTION 33/ 51 NOT IN DIRECTORY RECORD NUMBER 19521
127. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=33, MT= 52 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=1431, MF=33, MT= 52  
SECTION 33/ 52 NOT IN DIRECTORY RECORD NUMBER 19538
128. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=33, MT= 53 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=33, MT= 53  
SECTION 33/ 53 NOT IN DIRECTORY RECORD NUMBER 19557
129. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=33, MT= 54 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=33, MT= 54  
SECTION 33/ 54 NOT IN DIRECTORY RECORD NUMBER 19574
130. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=33, MT= 55 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=33, MT= 55  
SECTION 33/ 55 NOT IN DIRECTORY RECORD NUMBER 19591
131. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=33, MT= 56 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=33, MT= 56  
SECTION 33/ 56 NOT IN DIRECTORY RECORD NUMBER 19608
132. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=33, MT= 91 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=33, MT= 91  
SECTION 33/ 91 NOT IN DIRECTORY RECORD NUMBER 19625
133. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=33, MT=102 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=33, MT=102  
SECTION 33/102 NOT IN DIRECTORY RECORD NUMBER 19640
134. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=33, MT=103 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=1431, MF=33, MT=103  
SECTION 33/103 NOT IN DIRECTORY RECORD NUMBER 19661
135. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=1431, MF=33, MT=107 (0): Directory (b)*

• **psyche** Warnings:

1. Strength function in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ISOTOPE MASS = 30. L = 0 / STRENGTH FUNCTION IS 1.91848E-05 / STRENGTH FUNCTION 1.91848E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.*

```
FILE 2
SECTION 151
ISOTOPE MASS = 30. L = 0
STRENGTH FUNCTION IS 1.91848E-05
STRENGTH FUNCTION 1.91848E-05
... [1 more lines]
```

• **recent** Warnings:

1. Statistical weight of certain L values were incorrect  
*0: RRR goof (a)*

```
Calculate Cross Sections from Resonance Parameters (RECENT 2015-1)
=====
Retrieval Criteria----- MAT
File 2 Minimum Cross Section- 1.0000E-10 (Standard Option)
Reactions with No Background- Output (Resonance Contribution)
... [180 more lines]
```

• **fudge-4.0** Warnings:

1. Cross section does not match sum of linked reaction cross sections  
*crossSectionSum label 1: nonelastic (Error # 0): CS Sum.*

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.96%

2. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 0 (total): / Form 'eval': / Component 1 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

3. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 0 (total): / Form 'eval': / Component 2 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

4. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 0 (total): / Form 'eval': / Component 3 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

5. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 0 (total): / Form 'eval': / Component 4 (Error # 0): Condition num.*  

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
6. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 1 (n + Si30): / Form 'eval': / Component 2 (Error # 0): Condition num.*  

WARNING: Ratio of smallest/largest eigenvalue (3.532870e-18) is too small
7. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 2 (nonelastic): / Form 'eval': / Component 1 (Error # 0): Condition num.*  

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
8. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 2 (nonelastic): / Form 'eval': / Component 2 (Error # 0): Condition num.*  

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
9. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 2 (nonelastic): / Form 'eval': / Component 3 (Error # 0): Condition num.*  

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
10. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 4 (n[multiplicity:'2'] + Si29 + gamma): / Form 'eval': / Component 0 (Error # 0): Condition num.*  

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
11. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 4 (n[multiplicity:'2'] + Si29 + gamma): / Form 'eval': / Component 1 (Error # 0): Condition num.*  

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
12. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 4 (n[multiplicity:'2'] + Si29 + gamma): / Form 'eval': / Component 2 (Error # 0): Condition num.*  

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
13. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 4 (n[multiplicity:'2'] + Si29 + gamma): / Form 'eval': / Component 3 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

14. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 5 ( $n + \text{He4} + \text{Mg26} + \text{gamma}$ ): / Form 'eval': / Component 0 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

15. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 5 ( $n + \text{He4} + \text{Mg26} + \text{gamma}$ ): / Form 'eval': / Component 1 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

16. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 5 ( $n + \text{He4} + \text{Mg26} + \text{gamma}$ ): / Form 'eval': / Component 2 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

17. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 5 ( $n + \text{He4} + \text{Mg26} + \text{gamma}$ ): / Form 'eval': / Component 3 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

18. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 6 ( $n + \text{H1} + \text{Al29} + \text{gamma}$ ): / Form 'eval': / Component 0 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

19. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 6 ( $n + \text{H1} + \text{Al29} + \text{gamma}$ ): / Form 'eval': / Component 1 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

20. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 6 ( $n + \text{H1} + \text{Al29} + \text{gamma}$ ): / Form 'eval': / Component 2 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

21. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 6 ( $n + \text{H1} + \text{Al29} + \text{gamma}$ ): / Form 'eval': / Component 3 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

22. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 7 ( $n + Si30\_e1$ ): / Form 'eval': / Component 0 (Error # 0): Condition num.*
- WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
23. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 7 ( $n + Si30\_e1$ ): / Form 'eval': / Component 1 (Error # 0): Condition num.*
- WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
24. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 7 ( $n + Si30\_e1$ ): / Form 'eval': / Component 2 (Error # 0): Condition num.*
- WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
25. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 7 ( $n + Si30\_e1$ ): / Form 'eval': / Component 3 (Error # 0): Condition num.*
- WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
26. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 8 ( $n + Si30\_e2$ ): / Form 'eval': / Component 0 (Error # 0): Condition num.*
- WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
27. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 8 ( $n + Si30\_e2$ ): / Form 'eval': / Component 1 (Error # 0): Condition num.*
- WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
28. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 8 ( $n + Si30\_e2$ ): / Form 'eval': / Component 2 (Error # 0): Condition num.*
- WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
29. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 8 ( $n + Si30\_e2$ ): / Form 'eval': / Component 3 (Error # 0): Condition num.*
- WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
30. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 9 ( $n + Si30\_e3$ ): / Form 'eval': / Component 0 (Error # 0): Condition num.*
- WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
31. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 9 ( $n + Si30\_e3$ ): / Form 'eval': / Component 1 (Error # 0): Condition num.*

- WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
32. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 9 ( $n + Si30\_e3$ ): / Form 'eval': / Component 2 (Error # 0): Condition num.*
- WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
33. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 9 ( $n + Si30\_e3$ ): / Form 'eval': / Component 3 (Error # 0): Condition num.*
- WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
34. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 10 ( $n + Si30\_e4$ ): / Form 'eval': / Component 0 (Error # 0): Condition num.*
- WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
35. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 10 ( $n + Si30\_e4$ ): / Form 'eval': / Component 1 (Error # 0): Condition num.*
- WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
36. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 10 ( $n + Si30\_e4$ ): / Form 'eval': / Component 2 (Error # 0): Condition num.*
- WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
37. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 10 ( $n + Si30\_e4$ ): / Form 'eval': / Component 3 (Error # 0): Condition num.*
- WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
38. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 11 ( $n + Si30\_e5$ ): / Form 'eval': / Component 0 (Error # 0): Condition num.*
- WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
39. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 11 ( $n + Si30\_e5$ ): / Form 'eval': / Component 1 (Error # 0): Condition num.*
- WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
40. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 11 ( $n + Si30\_e5$ ): / Form 'eval': / Component 2 (Error # 0): Condition num.*
- WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

41. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 11 ( $n + Si30\_e5$ ): / Form 'eval': / Component 3 (Error # 0): Condition num.*
- WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
42. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 12 ( $n + Si30\_e6$ ): / Form 'eval': / Component 0 (Error # 0): Condition num.*
- WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
43. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 12 ( $n + Si30\_e6$ ): / Form 'eval': / Component 1 (Error # 0): Condition num.*
- WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
44. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 12 ( $n + Si30\_e6$ ): / Form 'eval': / Component 2 (Error # 0): Condition num.*
- WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
45. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 12 ( $n + Si30\_e6$ ): / Form 'eval': / Component 3 (Error # 0): Condition num.*
- WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
46. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 13 ( $n + (Si30\_c \rightarrow Si30 + gamma)$ ): / Form 'eval': / Component 0 (Error # 0): Condition num.*
- WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
47. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 13 ( $n + (Si30\_c \rightarrow Si30 + gamma)$ ): / Form 'eval': / Component 1 (Error # 0): Condition num.*
- WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
48. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 13 ( $n + (Si30\_c \rightarrow Si30 + gamma)$ ): / Form 'eval': / Component 2 (Error # 0): Condition num.*
- WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small
49. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 13 ( $n + (Si30\_c \rightarrow Si30 + gamma)$ ): / Form 'eval': / Component 3 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

50. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 14 (Si31 + gamma): / Form 'eval': / Component 0 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (1.952097e-17) is too small

51. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 14 (Si31 + gamma): / Form 'eval': / Component 1 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

52. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 14 (Si31 + gamma): / Form 'eval': / Component 2 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

53. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 14 (Si31 + gamma): / Form 'eval': / Component 3 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

54. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 15 ((z,p)): / Form 'eval': / Component 0 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

55. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 15 ((z,p)): / Form 'eval': / Component 1 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

56. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 15 ((z,p)): / Form 'eval': / Component 2 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

57. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 15 ((z,p)): / Form 'eval': / Component 3 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

58. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.  
*Section 16 ((z,alpha)): / Form 'eval': / Component 0 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

59. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

*Section 16 ((z,alpha)): / Form 'eval': / Component 1 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

60. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

*Section 16 ((z,alpha)): / Form 'eval': / Component 2 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

61. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

*Section 16 ((z,alpha)): / Form 'eval': / Component 3 (Error # 0): Condition num.*

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

• fudge-4.0 Errors:

1. Calculated and tabulated Q values disagree.

*reaction label 8: n[multiplicity:'2'] + Si29 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -10410384.23774719 eV vs -1.061e7 eV!

2. Calculated and tabulated Q values disagree.

*reaction label 9: n + H1 + Al29 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -13307865.47223663 eV vs -1.3508e7 eV!

3. Calculated and tabulated Q values disagree.

*reaction label 10: H1 + Al30 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -7670473.285732269 eV vs -7.7516e6 eV!

4. Calculated and tabulated Q values disagree.

*reaction label 11: H1 + Al30\_e1 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -7920473.285732269 eV vs -8.0016e6 eV!

5. Calculated and tabulated Q values disagree.

*reaction label 12: H1 + Al30\_e2 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -8364473.285732269 eV vs -8.4456e6 eV!

6. Calculated and tabulated Q values disagree.

*reaction label 13: H1 + Al30\_e3 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -8670473.285732269 eV vs -8.7516e6 eV!

7. Calculated and tabulated Q values disagree.

*reaction label 14: H1 + Al30\_e4 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -8805473.285732269 eV vs -8.8866e6 eV!

8. Calculated and tabulated Q values disagree.  
*reaction label 15: H1 + Al30\_e5 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -8932473.285732269 eV vs -9.0136e6 eV!
9. Calculated and tabulated Q values disagree.  
*reaction label 16: H1 + (Al30\_c -> Al30 + gamma) (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -9070473.285732269 eV vs -9.1516e6 eV!
10. Calculated and tabulated Q values disagree.  
*reaction label 17: He4 + Mg27 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -4902327.931797028 eV vs -4.2002e6 eV!
11. Energy range of data set does not match cross section range  
*reaction label 17: He4 + Mg27 / Product: He4 / Distribution: / angularTwoBody - XYs2d: (Error # 0): Domain mismatch (a)*  
  
WARNING: Domain doesn't match the cross section domain: (4341600.0 -> 150000000.0) vs (4341500.0 -> 150000000.0)
12. Calculated and tabulated Q values disagree.  
*reaction label 18: He4 + Mg27\_e1 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -5887327.931797028 eV vs -5.1852e6 eV!
13. Calculated and tabulated Q values disagree.  
*reaction label 19: He4 + Mg27\_e2 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -6600327.931797028 eV vs -5.8982e6 eV!
14. Calculated and tabulated Q values disagree.  
*reaction label 20: He4 + Mg27\_e3 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -6842327.931797028 eV vs -6.1402e6 eV!
15. Calculated and tabulated Q values disagree.  
*reaction label 21: He4 + Mg27\_e4 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -8011327.931797028 eV vs -7.3092e6 eV!
16. Calculated and tabulated Q values disagree.  
*reaction label 22: He4 + Mg27\_e5 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -8329327.931797028 eV vs -7.6272e6 eV!
17. Calculated and tabulated Q values disagree.  
*reaction label 23: He4 + Mg27\_e6 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -8378327.931797028 eV vs -7.6762e6 eV!
18. Calculated and tabulated Q values disagree.  
*reaction label 24: He4 + Mg27\_e7 (Error # 0): Q mismatch*  
  
WARNING: Calculated and tabulated Q-values disagree: -8387327.931797028 eV vs -7.6852e6 eV!

19. Calculated and tabulated Q values disagree.  
*reaction label 25: He4 + Mg27\_e8 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -8463327.931797028 eV vs -7.7612e6 eV!

20. Calculated and tabulated Q values disagree.  
*reaction label 26: He4 + Mg27\_e9 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -8662327.931797028 eV vs -7.9602e6 eV!

21. Calculated and tabulated Q values disagree.  
*reaction label 27: He4 + Mg27\_e10 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -8688327.931797028 eV vs -7.9862e6 eV!

22. Calculated and tabulated Q values disagree.  
*reaction label 28: He4 + Mg27\_e11 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -8786327.931797028 eV vs -8.0842e6 eV!

23. Calculated and tabulated Q values disagree.  
*reaction label 29: He4 + (Mg27\_c ->Mg27 + gamma) (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -8902327.931797028 eV vs -8.2002e6 eV!

24. Calculated and tabulated Q values disagree.  
*reaction label 30: Si31 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: 6323284.205276489 eV vs 6.592e6 eV!

25. Calculated and tabulated Q values disagree.  
*reaction label 31: n + He4 + Mg26 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -11281976.75618744 eV vs -1.0644e7 eV!

26. A summed covariance refers to another which refers back to the first which refers the second which refers to the first which refers to the ...  
*(Error # 4): Cyclic*

n-014\_Si\_030.endf: WARNING: Cyclic dependency in summed covariances for sections /covarianceSuite/section[@label

- njoy2012 Warnings:

1. Message comes from several resonance types that do not support the calculation of angular distributions. Some of them can be used if Want\_SAMRL\_RM or Want\_SAMRML\_BW are true.  
*reconr...reconstruct pointwise cross sections in pendf format (0): RECONR/calculation of angular distribution not installed (0)*

---message from rdf2bw---calculation of angular distribution not installed.  
 samm max legendre order: 0

2. Evaluation has no unresolved resonance parameters given  
*unresr...calculation of unresolved resonance cross sections (0): No URR*

```

    ---message from unresr---mat 1431 has no unresolved parameters
    copy as is to nout

3. Evaluation has no unresolved resonance parameters given
   purrr...probabalistic unresolved calculation (0): No URR

    ---message from purrr---mat 1431 has no unresolved parameters
    copy as is to nout

4. There is bad Kalbach parameter (r(E) or otherwise)
   check...ace consistency check (0): ACER/check energy distributions (0)

   check energy distributions
   consis: ep.gt.epmax 9.359472E-12 with q.lt.0 for (n,x) at e 1.000000E-11 -> 1.000000E-11

5. There is bad Kalbach parameter (r(E) or otherwise)
   check...ace consistency check (1): ACER/check energy distributions (0)

   check energy distributions
   consis: awr.lt.180---this is probably an error.

6. There is bad Kalbach parameter (r(E) or otherwise)
   check...ace consistency check (2): ACER/check energy distributions (0)

   check energy distributions
   consis: shifting eprimes greater than epmax and renorming the distribution

7. There is bad Kalbach parameter (r(E) or otherwise)
   check...ace consistency check (3): ACER/check energy distributions (0)

   check energy distributions
   consis: ep.gt.epmax 2.059083E+01 with q.lt.0 for (n,x) at e 2.200000E+01 -> 2.104191E+01

8. There is bad Kalbach parameter (r(E) or otherwise)
   check...ace consistency check (4): ACER/check energy distributions (0)

   check energy distributions
   consis: awr.lt.180---this is probably an error.

9. There is bad Kalbach parameter (r(E) or otherwise)
   check...ace consistency check (5): ACER/check energy distributions (0)

   check energy distributions
   consis: shifting eprimes greater than epmax and renorming the distribution

```

- **acelst Warnings:**

1. The incident energy grid is not monotonic for this angular distribution  
*0: Bad Ang. Dist.*

```

ACELST WARNING - Processing Ang.Dist.MT          2
                  E-grid non-monotonic  2.000000000E+01 2.000000000E+01

```

- **xsectplotter Errors:**

1. Exception `AttributeError` was thrown  
`/usr/local/lib/python2.7/site-packages/matplotlib-1.5.3-py2.7-linux-x86_64.egg/matplotlib/font_manager.py:2`  
*UserWarning: Matplotlib is building the font cache using fc-list. This may take a moment. (Error # 2): AttributeError*

`AttributeError: 'NoneType' object has no attribute 'rowData'`